

OPERATIONS MANUAL

**SHORING PANELS, BOXES &
MANHOLE BOXES**



GENERAL SAFETY GUIDELINES

Before beginning work with shoring panels, boxes or manhole boxes, it's essential to conduct a comprehensive risk assessment of the job. Identifying potential hazards and implementing appropriate control measures to mitigate those risks is a priority.

It is advised to use the following personal protective equipment (PPE):



Protective
gloves



Protective
footwear



Hard hat



Eye Ware

INSPECTION AND SAFETY RECOMMENDATIONS

Prior to the use of the shoring boxes or any similar equipment, a competent person should inspect all components. Daily inspections are required, particularly if site conditions change. Any damaged or insufficient components must be immediately repaired or replaced.

Key safety points

- Understanding regulations related to Occupational Health & Safety (OH&S) and excavation best practices.
- Ensure all personnel wear proper PPE.
- Ensure lifting equipment is sufficient for the task and adheres to OH&S standards.
- Properly calculate the surcharge loads, which include site traffic, spoil piles, nearby structures, and machinery weight.

ASSEMBLY OF BASE SHORING PANELS

1. Determine the excavation width and choose the correct struts and panels according to the excavation depth.
2. Place one panel on level ground with the connecting points facing upward. Attach the struts using the supplied pins and clips.
3. Attach the second panel to the opposite side of the struts using pins and clips, ensuring everything is securely connected.
4. Once assembled, lift the trench box to an upright position.

ASSEMBLY OF TOP SHORING EXTENSION PANELS

1. Assemble the top extension panel using the same method used to assemble the base panel.
2. Fit four connectors to the corner of panels and lower the top panel to connect with the base panel.
3. Secure the connection with connector pins.

INSTALLATION OF SHORING BOX

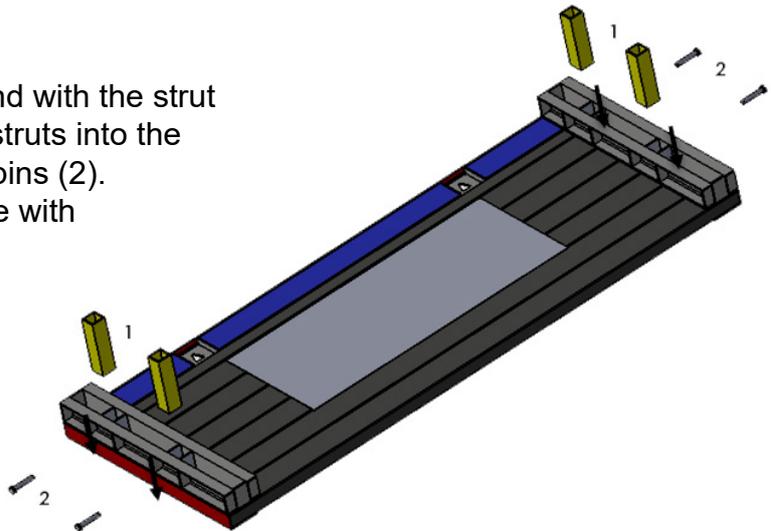
For firm ground conditions, dig to the desired depth and install the shoring box by lifting the shoring box and placing it in the trench.

In sandy or unstable conditions, dig a starter trench and lower the shoring box gently. Place the shoring box in the starter trench and push down the shoring box. Gradually excavate the soil within the shoring box. Repeat the process until the required depth is achieved.

VISUAL INSTRUCTIONS FOR ASSEMBLY

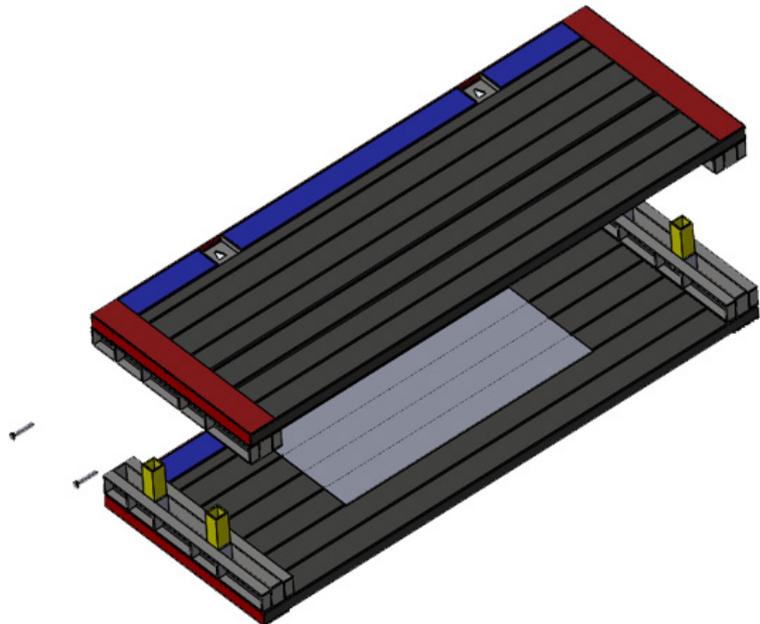
Step 1

Position the panel flat on the ground with the strut sockets facing upward. Insert the struts into the sockets (1) and secure them with pins (2). Ensure the pins are locked in place with keepers.



Step 2

Lower the second panel to connect struts into the sockets. Secure using pins.



Step 3

Lift the shoring box to an upright position.

